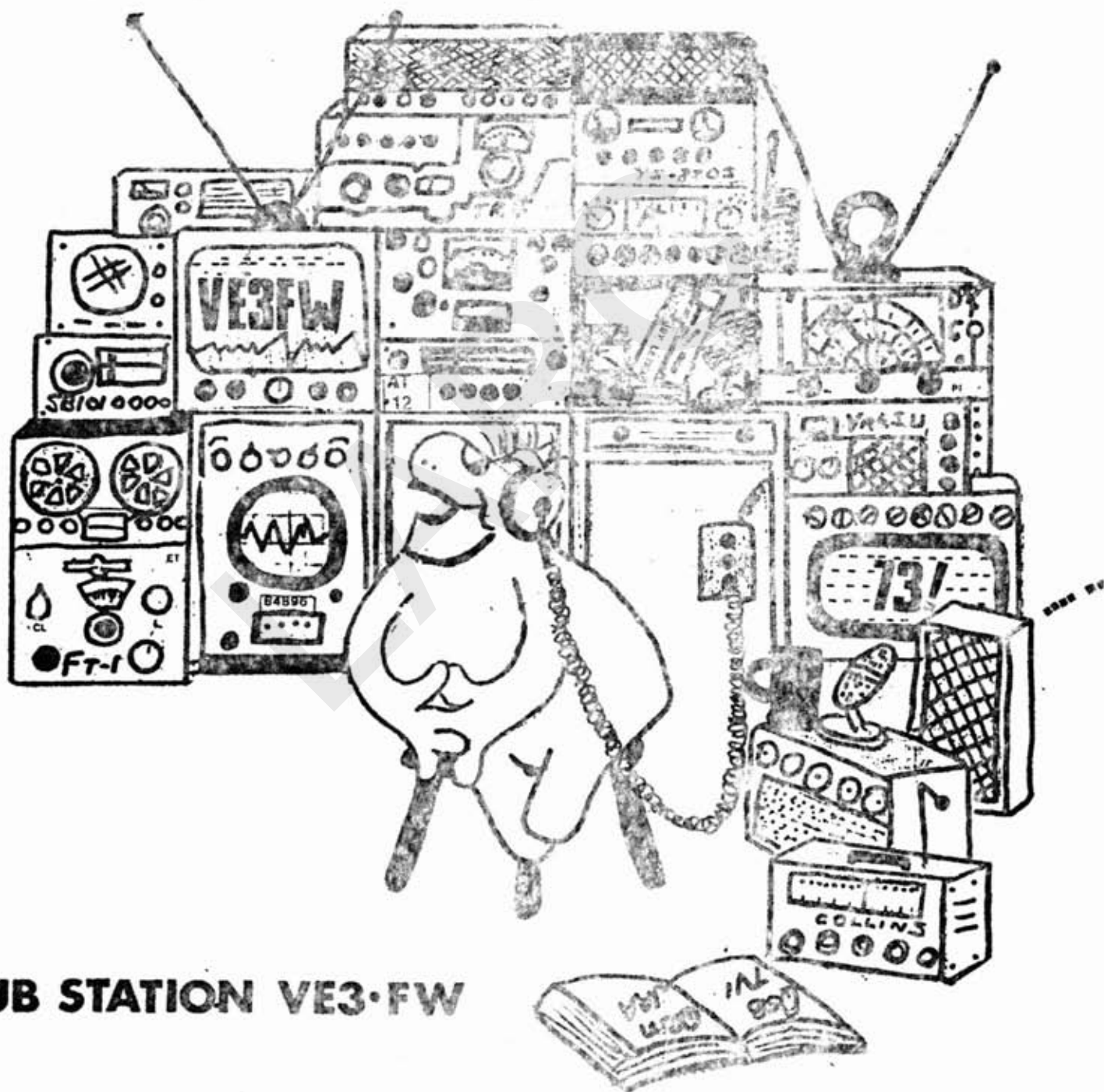


Dec 84



LAKEHEAD AMATEUR RADIO CLUB BULLETIN



CLUB STATION VE3·FW

Founded 1934 Incorporated 1979

Lakehead Amateur Radio Club History Project

GOODAY! GOODAY! GOODAY!

IT IS NOW TIME TO SAY THE MEETING WILL SOON BE UNDER WAY. THE DATE--IT'S EASY TO REMEMBER CAUSE IT'S THE THIRTEENTH OF DECEMBER. VE3EEM WILL BE GIVING A TALK ABOUT PETEY THE TALKING CLOCK! THERE WILL BE DOUGHNUTS AND COFFEE TO SPARE.
SO WE HOPE TO SEE ALL OF YOU THERE!

* * * * *

A COUPLE OF HARDWORKING PEOPLE BEHIND THE SCENES OF HI-Q ARE ANDREA AND DARLA. ANDREA TAKES OUR CHICKEN SCRATCHINGS AND GETS THEM ONTO THE STENCILS SO DARLA CAN GET THEM RUN OFF AT THE "PRESS". WITHOUT THEIR HELP, PRODUCING HI-Q WOULD BE IMPOSSIBLE. FROM THE EXECUTIVE AND MEMBERSHIP OF THE L.A.R.C. A BIG THANK YOU, A MERRY CHRISTMAS AND ALL THE BEST FOR THE NEW YEAR!

* * * * *

JINGLE BELLS, JINGLE BELLS

You all know WHAT WE MEAN.

WE ALL HOPE TO SEE YOU ON DECEMBER THIR-TE-EN!

THERE'S A RUMOUR FLOATIN' ROUND THAT ALL BAD HAMS WILL FEAR. WE HEARD IT THROUGH THE GRAPEVINE THAT SANTA MAY BE HERE! HI!

(HAM FOR HEY, EH?)

XMAS WISH LIST

DEAR SANTA:

WE HAVE ALL BEEN GOOD BOYS, AND GIRLS FOR THE LAST 12 MONTHS, SO HOW ABOUT A FEW TOYS FOR CHRISTMAS? HERE IS A SMALL WISH LIST FROM US.

VE3NHN WANTS A NEW TS-8305 AND A TOWER AND A BEAM, AND...

VE3EEW WANTS A 10 KW AMP FOR 2 AND HF, AND NO TVI COMPLAINTS!

VE3IY WANTS A 500 FOOT ROTATABLE TOWER COVERED WITH LOTS AND LOTS OF ALUMINUM.

VE3BCD WANTS A BIGGER GARAGE AND HOUSE TO STORE ALL HIS GOODIES.

VE3NNR WANTS SOME ACCESSORIES TO MATCH HIS WATER COOLED LINEAR (100 GALLONS PER MINUTE). NOW THAT'S QRO!

VE3XJ WANTS SOME NEW ALUMINUM THAT FLOATS IN THE AIR.

VE3ECV WANTS AN ALL BAND (DC TO LIGHT, AND EVERYTHING IN BETWEEN) WITH ALL MODE CAPABILITIES, WITH A BUILT IN COMPUTER TO RUN IT, AND TELL HIM WHAT HE IS DOING WRONG. IT SHOULD FIT IN HIS SHIRT POCKET, SO THAT IT'S PORTABLE TOO.

VE3JAW AND VE3JAR WANT A REPEATER WITH AUTOPATCH, AND A COMPUTER TO RUN IT, AND...

VE3JTV WANTS A NEW 2 M RIG, AND A BIGGER TOWER, AND AN AMPLIFIER, AND...

VE3HJS WANTS A NEW TS830, AND A 2M HANDHELD, AND A UHF HANDHELD, AND AN AMPLIFIER, AND...

VE3KRP WANTS SOMETHING WARM AND(THE REST OF HIS WISH LIST IS NOT PRINTABLE! SORRY)

VE3HTH WANTS A HF RIG THAT TRANSMITS AND RECEIVES IN STEREO.

VE3HZW WANTS NO TVI COMPLAINTS FROM HIS NEIGHBOURS, AND A BIG AMPLIFIER. (HEAVY ACCENT ON THE NO TVI)

VE3HFS WANTS LOTS AND LOTS OF RADIOS AND TOWERS AND BEAMS FOR HIS CONTEST STATION.

VE3KRN WANTS A NEW PADDLE AND KEYSER THAT CAN QRO AT 100+ WORDS PER MINUTE WITHOUT THE BEARINGS IN THE PADDLE BURNING OUT. P.S.--DO YOU HAVE A WATER COOLED PADDLE IN STOCK.

VE3KRY WANTS.....(SORRY DAVE, WE CAN'T PRINT YOUR WISH LIST EITHER.) WHAT'S THE WORLD COMING TO? P.S. WE KNOW WHAT YOU WANT, BUT WE CAN'T PRINT IT!

VE3LNG WANTS AN AMPLIFIER, AND A 30 METER BEAM AT 200 FEET THAT ROTATES.

VE3KRV WANTS AN ALL EXPENSE PAID TRIP TO YU LAND FOR HIMSELF AND HIS FAMILY.

VE3KRD WANTS A 128 BIT MICRO COMPUTER WITH LOTS AND LOTS OF MEMORY, AND.....P.S. (HE IS NOT ASKING FOR MUCH, IS HE?)

VE3HCM WANTS A TRANSFER TO THUNDER BAY!

VE3ARN WANTS A PLACE IN THE SUN, WHERE IT'S ALWAYS WARM.

VE3LX WANTS A TRUCKLOAD OF APPLES!

VE3EDZ WANTS....WHAT WAS IT THAT YOU WANTED FOR CHRISTMAS ANYWAY? I KNOW... A JOB THAT DOESN'T INTERFERE WITH YOUR HOBBY, WITH LOTS OF SPARE TIME FOR FISHING AND ENJOYING THE SUN. DON'T WE ALL?

VE3MZX WANTS A CHURCH WITH A 1000 FOOT STEEPLE. THAT WAY NO ONE WILL SEE ALL THE ANTENNAS THAT ARE PERCHED ON TOP OF IT.

VE3JAA WANTS TO SAY GOODBYE TO MURPHY! P.S.--YOU WOULDN'T PUT HIM OUT IN THE COLD, WOULD YOU?

VE3EFC WANTS...GEE BILL, WHAT DO YOU WANT? WHEN YOU HAVE EVERYTHING A HAM COULD ASK FOR, WHAT'S LEFT?

VE3QOW WANTS A BIGGER GARAGE TOO. THAT WAY HE WILL HAVE LOTS OF ROOM FOR BCD'S OVERFLOW.

VE3LMN WANTS A NEW TRUCK WITH A HOLE ALREADY DRILLED IN THE ROOF.

WE WOULD LIKE TO OFFER OUR APOLOGIES TO YOU IF YOU DID NOT MAKE THIS YEARS WISH LIST. I GUESS IT'S IN THE MAIL. OH WELL, THERE'S ALWAYS NEXT YEAR!

73, HOITO

A NOTE FROM ARNOLD VE3JAA--THE SALT MINE NET WILL MONITOR VE3YQT DURING THE NET'S OPERATION. NICE TO HAVE MURPHY RIDING WITH YOU!

A WORD FROM THE E.C.

Congrats go to Skip, VE3BBS for taking on this important job! Over the next few months, he will get things organized to his liking. Why not give him a hand, and volunteer also. A slight change has been made to VE3TBR at Skip's request. Skip, or some one who he appoints can activate an "emergency alert" function in the repeater. It changes the normal courtesy beep to something that sounds like a pinball machine. All repeater functions are still available when this function is activated.

So what is the emergency alert all about? When you hear it, please QSY to 146.46106 (VE3YQT) and check in with Skip, or whoever he has put in charge of emergency operations. This will be done in addition to the emergency callout. For more information, please contact Skip, VE3BBS, Emergency Coordinator.

Tom EEI

Our thanks go to the following for submitting articles for December Hi-Q. Randy Creighton, Ed VE3LML at Garrant Ent, Mike VE3ZG at Communications Canada, Ed VE3KRP from his Poncho, Tom VE3EEI in his basement, Skip VE3BBS at his desk and Mike VE3HZI at his new QTH. Mike did the "super" job on the dinner/dance promo page. If anyone has been missed...don't shoot, we're only the editors! We get the articles to the EMO for typing ten days before the meeting. However anything after that date may "get in" via the photo-copier. Any submissions of interest are welcome! (WE AIN'T TOO FUSSY!)

Elsewhere in this issue of Hi-Q, you will find an article written by Randy Creighton about TBBS/TB. I have spoken to Gary Walsh, VE3JAF (SYSOP), and he is looking for a volunteer who listens to APRS/CPRL bulletins who can upload to TBBS. In exchange for your effort, you will receive free access to TBBS. If interested, contact Gary Walsh on TBBS (622-2625), or Tom EEI (767-1453) for more info.

RABBIT HUNT - RESULTS AND RULES

Well, the first running is now history. The participants had so much fun, we decided to run again. As a result, rabbit hunts are now being held every Sunday, starting at 1 PM at the EMO parking lot. There were a few complaints due to the point system in that too much emphasis was placed on mileage. So we changed it to the following: All teams receive 100 points. Score is based on time squared (to the power of 2), plus mileage. The results are as follows:

Nov. 11 - LHL & Son Axel	9939	Dec. 2 KRP	791
KRD - HIR	12242	PHD-KRD	1862
GMH & Son John Jr.	14535	EEI-HMS	1206

All rabbits have 2 hours to find the rabbit. If you have not found him, we calculate your score, along with an extra 1000 points. If your score is high, please remember we only use your BEST 3 times. The rest don't count! Additional participants are more than welcome.

The top overall winner will receive the Les Harris trophy at the Dinner meeting. Come on out, and see if you can "take home the hardware".

In the October issue of Hi-Q, I mentioned a few improvements for our repeaters. It appears that the club is operating at a bit of a profit this year, but I feel we would be better off if outside funding were pursued. I figure that we don't have sufficient funds anyway, and outside funding would keep the Club in a better position. To that end, I would like to announce that we will be holding a raffle

for a Texas Mickey (133 OZ). The draw will be held at the February dinner meeting. If you would like to help out with this fund raiser, please contact Gary, HJS or Tom EEM. Other avenues are also being explored, but we have to start somewhere. I hope you will all pitch in and help out.

Tom VE3EEM

DINNER MEETING

Perhaps a better name would be "dinner and dance", but either way the social event of the year is now under way. There is a full page ad in this issue of Hi-Q, and will be run again in January, so make plans to attend NOW! The cost is \$23.00 per person and Bill EFC will be more than happy to take your money. We will be having the buffet dinner, and your \$23.00 pays for the whole works (except booze)--dinner, dancing, prizes and lots of fun! As a special feature, there will be an awards presentation. If you have any ideas for an award (preferably of a humorous nature), please contact Gary-HJS or Tom EEM. Hope to see you there!

Tom EEM

Ray EDZ is spending some time in the hospital but is coming along quite well. All of us at the LARC wish Ray a speedy recovery.

DIRTY LAUNDRY

Santa is coming to Town! VE3HJS and VE3EEM are now the stereo twins. They bought their stereo walkmans in stereo from a stereo shop. The walkmans even use batteries in stereo. That was quite a demo John! VE3BQR is gearing up for Oscar with his new (?) ICOM IC211. VE3BRS is moving the shack into the dungeon--that's what happens when you cause TVI to the XYL's TV during the soaps! VE3INR had his antenna blow down during the COMW test. It went back up just in time to work a ZL (on 160!) VE3HJS has some new (?) car parts--some even fit. WOBHG has had enough of the oval office. VE3JAR is building a new shack. VE3DCD moved his "hi-tech bird bath" onto a new perch. VE3KRV is not sure what to buy next--a linear or a table saw. VE3KRP has returned from the land of uncle Sam--as he tells the story, he narrowly missed an encounter of the knot-tying kind. VE3JAU is working on a machine for Geraldton. VE3JAA (A dirty laundry regular) is keeping his ear to the dirt pile in search of material for dirty laundry. VE3NHX is Lindon Scalese--after 11 years he finally made it! VE3ARI is making plans to visit uncle Sam for a few months. VE3EDN packed up his 2m gear, and went to pay his son in the Soo a surprise visit. VE3KRY is "lost in love". VE3KRD and the chalkboard are back in business. VE3JAA is now a QRO station--look out world! A certain well known local is having a bit of trouble remembering the time. Perhaps the rolling pin will aid his memory (P.S.--time for a new Ram pack!). VE3EUL was in T. Bay for a week of so. VE3EFC is rolling in dough. VE3BCD wants to give VE3EDZ a christmas present--only thing is that Ray is not sure if he wants it! VE3HFS lets his fingers do the talking. VE3HZV had his tribander installed under the cloak of darkness. That way he can direct the TVI complaints to his neighbour with the satellite dish. VE3ICY and VE3HHI are commuting back and forth to Red Rock. VE3KRN has been haunting his old stomping grounds. VE3LMT likes to get his "best side" in the paper. VE3EEM paid VE3YQT a visit--on foot! VE3MZX is looking for help from on high in the search for the elusive advanced (hand in there Ralph--it's a piece of cake!) VE3KRP thought the earth had shifted a few degrees while he was away--someone moved all the satellites!

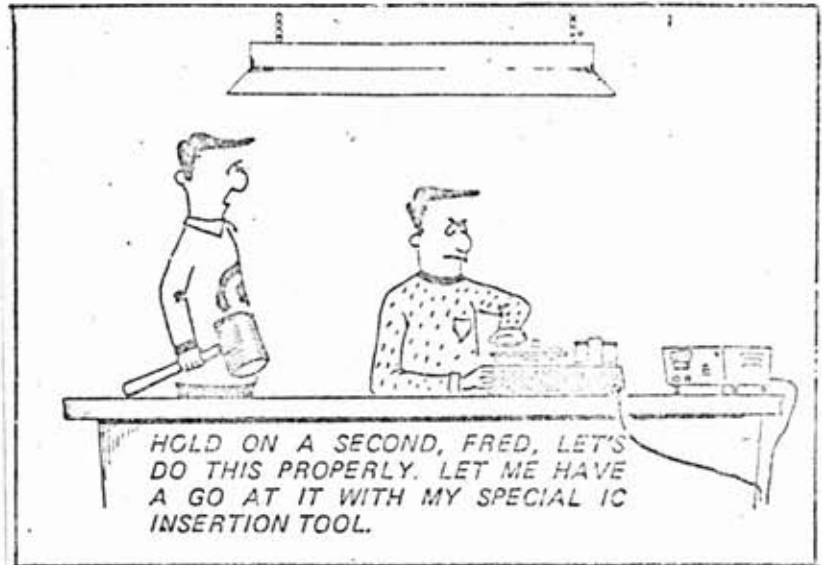
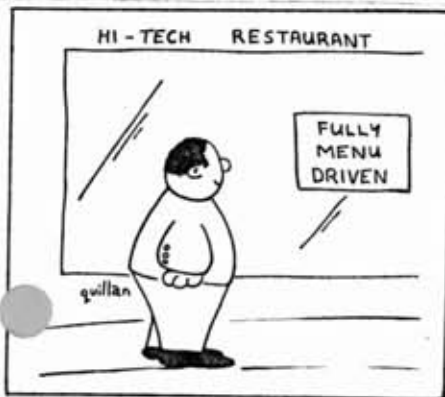


I MISSED THE
DECEMBER MEETING!



Oh, for heavens sake, George... you'd think you were the only person to ever flunk a code test!"

P.A.R.C



HOLD ON A SECOND, FRED, LET'S DO THIS PROPERLY. LET ME HAVE A GO AT IT WITH MY SPECIAL IC INSERTION TOOL.

VIA NPARC.

A house without a toilet is uncanny.



That's a pretty good signal you've got there.



"You bet I'll take it. What is it?"

July, 1960 • CQ • 75

• CQ • April, 1960



"No...Daddy don't care if we play in here..."

VIA ARROWHEAD ARC

LARC

AMATEUR RADIO EMERGENCY SERVICE

REGISTRATION FORM



GENERAL INFORMATION

NAME _____ CALL _____

ADDRESS _____

CITY _____ PROV _____ POSTAL CODE _____

HOME PHONE _____ BUSINESS PHONE _____

EMPLOYED BY _____

CLASS OF LICENSE _____

STATION INFORMATION

CHECK (X) BANDS/MODES YOU CAN OPERATE:

	160	80	40	20	15	10	6	2
CW								
FM								
RTTY								
SSB								
MOBILE								
2M FM AUTO PATCH								

CAN YOUR HOME STATION OPERATE WITHOUT COMMERCIAL POWER () YES

() NO

IS YOUR STATION EQUIPPED WITH PHONE PATCH () YES

() NO

Signature _____

Date _____

Please complete in full and mail to VE3BBS, L.M. (Skip) Wright, RR#14, Mapleward Road, Thunder Bay, Ontario P7B 5E5

LARC

NORTHWESTERN ONTARIO SWAP 'N' SHOP

HF Equipment (For Sale)

FT101-Z Transceiver, Analog Dial, 600 KHZ Filter, Mike
and Yaseau Wide Band Scope Y0-901. Price Negotiable.....VE4XQ

TR-4 Power Supply. Asking \$350.00VE4SK

Johnson ThunderBolt Linear Amplifier. Asking \$350.00.....VE4KR

Heathkit SB200 Linear Amplifier. Asking 500.00.....VE4NC

Heathkit DX160 Receiver. Asking \$150.00.....VE4GF

Communications Receiver. Yaseau FRG-7, Solid State, 500 khz-
to 29.9 KHZ Coverage. SSB, AM, CW. Three Way Power Supply.
A/C, Internal Battery or External 12V. Contact VE4DT for further
information.

Heathkit SB300 and SB400. Asking \$300.00 for the pair.....VE4ADS

Kenwood TS830-S. Never been used. No filters. Asking \$950.00.....George 577-9729

KW Atlanta 10-80 Meters with Power Supply. New Tubes, comes
complete with Heathkit SWR meter.....VE3EDW (T.Bay)

UHF Equipment (For Sale)

430 MHZ amplifier. Asking 25.00.....VE4AQ

TR2200. Fully set of Xtals. Asking \$100.00.....VE4MK

TR7625 Handheld (2M).....VE4AES

IC2AT complete with extra Antenna, Batteries, Mike 12V Adapter

KLM amplifier MA-35. Asking \$350.00.....VE3EDQ (Ear Falls)

IC-22-S Power cables, mike, antenna. Asking \$250.00.....VE4AEY

#19 Mark III wireless set complete with instructions and schmetic

2-4 MHZ, 4-8 MHZ and 230-240 MHZ- Could be converted to 2 Meters.....VE3DJM (T.Bay)

ANTENNA & MISCELLANEOUS (For Sale)

Two Wind Generators 1200 and 650 Watts. Contact George Murphy 577-9729 (T.Bay)

Bracket for IC22. \$10.00.....VE4AQ

TA 33 Jnr Beam. Asking \$150.00.....VE4FE

Bird Watt Meter. Asking 100.00.....VE4NC

Watt Meter and SWR Bridge. Asking 10.00.....VE4YE

1.5v NiCad Batteries. 30 AMP/HR. Never used. \$4.00 per cell.....VE4BF

Larson Mobile 2M Antenna. Asking \$30.00.....VE4NM

COMPUTER AND TELETYPE EQUIPMENT (For Sale)

Harold DS3000 and Monitor \$350.00.....VE4WZ

WANTED ITEMS

A 3-500-Z tube.....	Contact VE4AGS
A Yaseau Linear Amplifier.....	VE4AK0
DMX 2A Top Section for Delhi Tower.....	VE4AL0
400 HZ Crystal Filter for FT104-A.....	VE5PP
Johnson Match Box.....	VE4DT
A FT101-E Transceiver.....	VE4AIY
Repeater Crystals for VE4MAN for IC-22-A (Freq Not Known).....	VE4QK

A Word (or two) From the EC. (Emergency Co-ordinator)

Attached you will find a registration form for ARES (Amateur Radio Emergency Service). If you are interested please complete in full and mail to L.M. (Skip) Wright, RR#14, Mapleward Road, Thunder Bay, Ontario P7B 5E5.

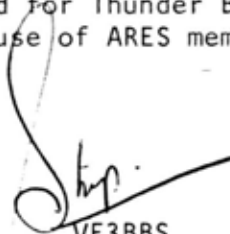
A tone alert has been established in VE3TBR for alerting the ARES membership in Thunder Bay. This will be discussed at the December monthly meeting. In the event of an emergency requiring the services of ARES Thunder Bay all members would check into VE3YQT as soon as possible. VE3BBS will be net control.

Members of the LARC are reminded of the incident that took place in Fort Frances a couple of weeks when a chlorine spill occurred. Apparently communications were completely broken down and people were wildly rushing to get out of the town. Running red lights and the whole business. ARES would have proven invaluable at this particular incident.

Amateurs on the emergency call out list (published in November HI-Q) are requested to complete the ARES registration form (if you still desire to participate) and forward to me as soon as possible.

VE3JJA (DEC) District Emergency Co-Ordinator will be holding ARES nets on 3750 KHZ once a month, normally on Sundays, but this is not for sure, to test the availability of amateurs in Northwestern Ontario. Notification will be given the evening before on the Northwestern Ontario net (3750 KHZ). I will also activate the tone alert on VE3TBR. All non ARES members are invited to check into the net.

An emergency radio service plan is being developed for Thunder Bay and should be ready within the next couple of weeks for the use of ARES members.


VE3BBS
EC Thunder Bay
and District

TO: The Press For Immediate Release

Oct. 24, 1984

FROM: GARANT ENTERPRISES
227 County Blvd.
Thunder Bay, Ontario
P7A 7M8
Tel. (807) 767-3888

NEW HF-ANTENNA FOR EIGHT BANDS FROM GARANT

Thunder Bay, Ont.,... Garant Enterprises, the Canadian amateur radio antenna specialist has introduced a new 6-band and a new 8-band dipole for the HF bands from 80 to 10 meters. Garant Enterprises is well known in Canada as the creator of the GARANT W3-2005 a five-band trap dipole antenna and the 3-element triband HF-beam GARANT GB33DX.

The new GARANT GD-6 is a 6-band dipole for 80-40-20-17-12-10m. The GARANT GD-8 is basically a GD-6 but uses two additional tuned wires to work the 30m and 15m bands. The GD-6 and GD-8 are at most 41.5m (137') long and fit into most backyards. If this space is not available the GD-6 and GD-8 may be used as Inverted-V antennas. Both antennas are rated for 500 W PEP and permit the use of all currently manufactured transmitters and transceivers.

Principally the GARANT GD-6 and GD-8 are windom type antennas. Instead of using a high impedance feedline which is a must for a windom antenna, the GD-6 and GD-8 can be operated with regular coax cable ranging between 50 and 60 Ohm. Therefore RG8/U or RG213/U will work fine with these antennas. This low impedance feedline

LARC

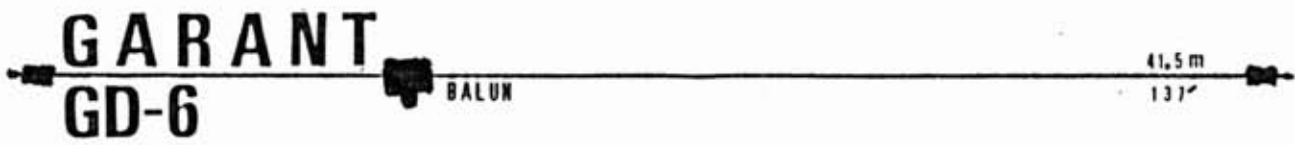
is possible through the special GARANT BALUN that these antennas use. Although the GD-6 and GD-8 are high impedance antennas, this special balun matches the low impedance feedline to the high impedance antenna.

An antenna similar to the GD-6 has been tested and used for more than ten years by thousands of hams in Europe with tremendous success. DX-contacts are the rule and not the exception. The addition of the three new WARC-bands created the GD-8 which permits the use of all HF bands from 80m to 10m.

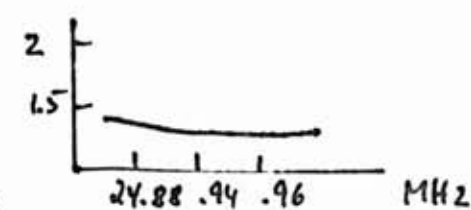
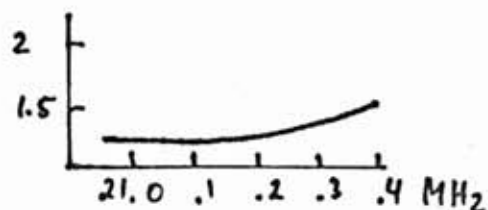
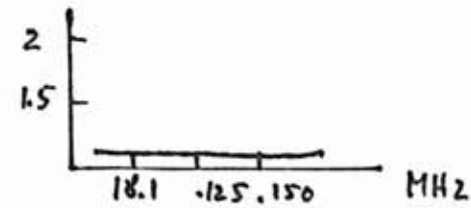
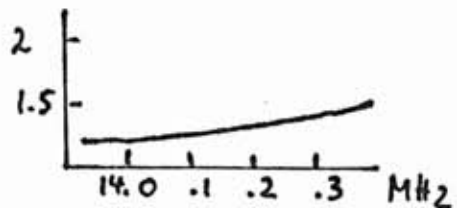
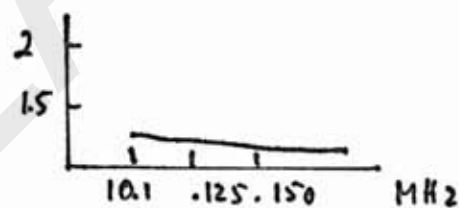
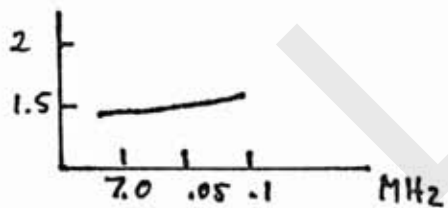
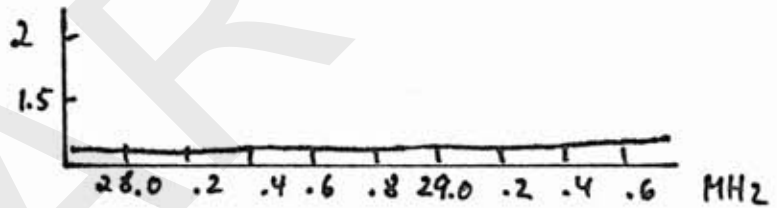
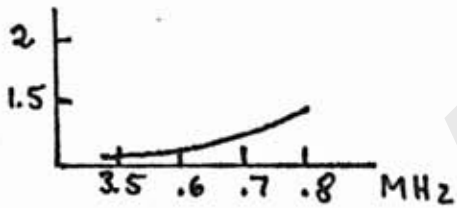
This antenna has been tested in Europe where operation on all eight bands is already permitted. Depicted are the typical SWR-curves of the GARANT GD-8.

Both antennas will be available in Canada in January 1985. The introductory price for the GARANT GD-6 will be \$ 89 and for the GARANT GD-8 \$ 99. A conversion kit that upgrades the GD-6 into a GD-8 will cost \$ 20. All prices include shipping, handling and insurance. These antennas are only available from GARANT ENTERPRISES, 227 County Blvd., Thunder Bay, Ontario, P7A 7M8, Tel. (807) 767-3888. Ed, VE3LML, the general manager of Garant Enterprises has promised to mail free literature on these and other GARANT-antennas to all interested hams.

LARC



TYPICAL SWR -- GARANT GD-8



LARC

We are all familiar with the bulletin boards at work or at the supermarket. Maybe you have read some of them. Items for sale or trade, club meetings, notices of different events or whatever seems to be, or is thought to be of interest to a number of people are posted on the bulletin board.

A BBS (Bulletin Board System) is called by telephone using a Modem and a Computer or terminal. In fact the computer requires a terminal program to make it run like a terminal! If the program will only display messages on its screen and write them from the keyboard, it is called a "DUMB" Terminal. If it will store messages in a buffer, print or save the buffer it is a "SMART" Terminal. In addition, Smart Terminals usually have some method of "Error Free Transfer" of message text or programs as well.

The BBS is made up of a number of Boards. Each Board is accessed via a "MENU". The first item on the menu is <M>essages. The Message Board is also sub-divided into a General, or "Public" board...everyone can read it. For private Messages there is the Electronic Mail section, or E-Mail. Only three people can read an E-Mail Message: The Sender, The Receptient, and the SYSOP (System Operator).

Special Interest Groups (SIGs) may have their own board. Most SIGs are open to the public to read. SIGs that come to mind are HAMs, Computer Types (TRS-80, Apple, CPM), Users of specific Programs, or users of programs about a specialized subject such as Credit Unions. There is no limit to the number of SIGs, all it takes is a few people with a common interest and <POOF> another SIG!

Most computer Bulletin Boards require ASCII Character Set with a few control codes, 8 bit, No Parity, 1 Stop. And 300 Baud although 1200 Baud is becoming popular. The Control codes recognized are Back space, Carriage Return, Line feed, Xon and Xoff, NAK and ACK and WRU, as well as some to open and close your text buffer.

Some of the other things you can expect to see on a BBS is Information Files, News Items from various sources, Public Domain Software, Club Minutes, in short, anything you would see on a Supermarket Bulletin Board and more!

Having a problem with anything from a broken Washing Machine to the Great Circle Bearing to Moscow, leave a message on the Bulletin Board and you will get an answer... Probably lots of answers! You may even get the program to compute the Great Circle Bearings, or the one that designs Antennas, or Power Supplies!

Software is in the Download section. You ask for the program you want and select the method of downloading that your terminal program can handle, and bing! there it is! If you have a program that is either Public Domain, or you have written yourself, you can Up Load it to the BBS for others to Download (along with a discription of what it does) and the SYSOP will transfer it to the Download section. How to use the program should be contained within the program file, or a separate Documentation section can also be uploaded.

There are a number of BBSs. A list of numbers is available on Thunder Bay's BBS "TBBS/TB" VE3JAF is SYSOP the number is 622-2685.

LARC

THE PREZ SEZ

Well, its that time of year again when the white stuff abounds, and the Skiers can jump for joy! I would also like to mention that the antenna season is now offically OPEN! The starting horn has been sounded, and now is the time to erect that 150 foot tower with lots of Aluminum and Copper wire ornaments. You might even put Christmas tree lights on it and tell the XYL its a new type of Christmas tree! (Just trying to help). At this time, I would also like to wish everyone a Merry Christmas, and a joyous and prosperous New Year. May Santa stuff your stockings with lots of radio goodies (a TS-830 and a 77SX would be nice).

At the December meeting, I will be giving a talk about VE3TBR. As most of you know a Radio Shack TRS-80 is the "brains" behind all the magic that the repeater performs, and this your chance for a peek behind the scene to see how it is done. A lot of features have been added to it over the past few years, and a few more are currently in the planning stages. Come on out and see how its all done.

There are also a few other noteworthy items. As hard as it may seem to beleive, some items for the December issue of HI-Q will have to be printed in the January issue! The Editors of this rag also inform me that Ms. Lynn Year has joined the editorial staff. The only comment I have is that she is a beauty, and look for her words of wisdom next month.

Skip, VE3BBS has volunteered(?) for the job as Emergency Co-Ordinator. I previously mentioned that I would fill the position, but since Skip indicated he wanted it, its all his! Congratulations.

Are you interested in having an LARC Sleigh ride? How about an afternoon of cross country skiing? If you are interested in these events, or have some ideas for events, please let me know. No dates have been set, and if there is no interest shown, I wont persue the matter any further, for the time being anyway.

73 Tom VE3EEW

The Salt Mine Net

This is Thunder Bay's latest craze! The net is being run every morning starting bright and early at 6 a.m. on VE3TBR. Net control untill 8:30 is Arnold, VE3JAA, then Skip, VE3BBS closes of the proceedings around 9 a.m. It is being run on weekdays (mon to fri), so on your way to the Salt Mine why not drop in and say hello? The net is averaging about 15 checkins, and is quite informal. See you on the net.

VE3YQT UPDATE

In last months issue of HI-Q, I mentioned the possibility that the new repeater would be in operation this year. Well, I guess that some things just are not meant to be. As of this writing, the new repeater is still in Lauries garage. Here is a breif rundown of how we currently stand: The old repeater is still operating on the hill. For about a week or so, it was not operating in the morning before around 10 a.m. I was able to procure another battery, packed up my toolbox, and headed for the hill. Due to ice on a steep slope, I ended^{ed} carrying up the battery and tools. The old battery was replaced, and I gave the quick once over, and headed back down. It should survive the winter (I hope). There is still an intermittant noise problem and I have been informed that there is a defective crystal filter in the receiver. When the new Machine goes into operation, the problem will no longer be there.

Now for the new machine: Laurie BCD and Ray EDZ deserve lots and lots of praise for a super effort. They have given up many hours on your behalf. The new repeater is operational as such, but the bugs just keep on coming. I am not making up excuses, just telling it like it is. Hopefully the new repeater will be ready for action next spring. If we get lucky and the machine is operational, it can't be installed

before next spring anyway, as the road is next to impossible to drive up. One final note - I don't wish to imply the Laurie and Ray are the only ones working on this project - not by a long shot. When they are able to convince other stout hearted souls to lend a hand, they always get recruited. Its just that they have been hanging in there all along, and now hopefully the big day is drawing near.

Tom VE3EEW

Code Classes

The Code and Theory Classes are now under way, with 12 hearty souls working their way toward their ticket. Classes are being held on Wednesday nights at Selkirk High School untill around Christmas. After that, We will be back at the EMO building. Classes run from 7 p.m. to 10 p.m. and We are gearing up for the April 17 exam date. VE3's HJS, JAY, and LMN are taking care of the code, with VE3's AVS, HTM, EFC and ZG doing the theory. We are also in need of one more qualified theory instructor for the latter part of the course. if you are interested, please submit a comprehensive resume to Bill, EFC or Tom EEW. Wages and benefits package are negotiable - hi. I would also like to extend a special invitation to all Code Class Students to attend the December meeting. You are now members of our Organization, and Welcome Aboard!

More Repeater News

Over the past few years (myself included) certain individuals have carried on building, improving, repairing and modifying our 2 meter repeaters which the Club now owns. However, I don't beleive the current membership has ever been asked how they feel about what we are doing. Now is your big chance! Take a few minutes and write down what you would like to see the Club persue in terms of 2 meter communication over the next few years.

For example, do we need 2 repeaters? do we need more of them? Should they be of commercial origin, or homebrew? Should all the features currently available on VE3TBR also be made available on VE3YQT? In terms of coverage, do the two machines complement each other, or are there areas where neither machine is accesable, but should be? Does a link system to Duluth and to Sault Ste. Marie appeal to you? Should the autopatches be open to all, or closed to paid up members only? Should the Club put a repeater in Raith (West), Nipigon (East) or both? Assuming that the machines are linked together, should the link be up all the time, or brought up on command? There is currently some controversy in Duluth over a similar matter.

This is the type of input I would like to see from you. Perhaps I am opening up a real can of worms with this questionnaire, but then again, why not? Should the members not have a say in what is going on? So write down your thought and ideas on the matter, and either mail them to the Clubs P.O. Box or hand them in to me. While I don't guarantee anything, this questionnaire will be helpful in planning the Clubs future stratagies. I guess it goes without saying that if no submissions are made, that the membership at large is more than happy with what we now have, and that the Repeater Committee does not need to do anything more - hi.

TOM - VE3EEW

DOC NEWS

Your local DOC office has received several inquiries concerning the power limitations are presently in force on the 160 metre band.

The conditions which apply to the use of the frequency band 1.8 to 2.0 Mhz are as follows, extracted from General Radio Regulations, Part II:

- 43 (1) No person shall operate an amateur mobile station on any frequency in the band 1.8 to 2.0 Mhz.
- (2) Any person operating an amateur station using frequencies in the band 1.8 to 2.0 Mhz at a permanent location in the area set out in an item of Schedule X shall comply with the frequency and transmitter power for day and night operation set out in that item.
- (3) Where, in respect of an item of Schedule X, a frequency band is marked with an asterisk, a person described in subsection (2) may be authorized by the Minister to use a power level of 1000 watts during the day and 200 watts at night if
 - (a) he applies to the Minister in writing, and
 - (b) the Minister is satisfied that such use will not cause interference to stations providing a radiodetermination service.
- (4) For purposes of Schedule X, "transmitter power" means the maximum direct current power supplied to the anode or collector of the final stage of the transmitter.

Schedule X is broken down by provinces. For Ontario, two sets of conditions exist; one for the area north of 50° Latitude, and another for locations South of 50° Latitude.

For Ontario, South of 50° Latitude the conditions are:

- *1800 - 1825 Khz - 500 watts day, 100 watts night.
(* Special permission for increased power may be requested)
- 1825 - 1850 Khz - 250 watts day, 50 watts night.
- 1850 - 1875 Khz - 125 watts day, 25 watts night.
- 1875 - 1975 Khz - Maximum power limits permissible day and night.
- 1975 - 2000 Khz - 125 watts day, 25 watts night.

For Ontario, North of 50° Latitude the conditions are:

- 1800 - 1825 Khz - 500 watts day, 100 watts night.
- 1825 - 1925 Khz - 125 watts day, 25 watts night.
- 1925 - 1975 Khz - Maximum power limits permissible day and night.
- 1975 - 2000 Khz - 250 watts day, 50 watts night.

The above information is contained in the most recent issue of TRC-25.

VE3ZG - DOC - Thunder Bay

LARC



CQ ALL HAMS

L.A.R.C.^{INC.} DINNER & DANCE

ON SATURDAY FEBRUARY 2, 1985



- TICKETS \$23. /PERSON
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- DINNER 7:30
- DANCE 9 to 1 party sound

THE ANNUAL DINNER IS OPEN TO MEMBERS OF THE LAKEHEAD AMATEUR RADIO CLUB, AND ALL INTERESTED PEOPLE OF THE AREA. A SPECIAL INVITATION IS EXTENDED TO ALL HAMS IN THE DISTRICT. IF YOU PLAN TO ATTEND, SEND IN YOUR MONEY AND THE FORM. FOR MORE INFORMATION, CONTACT

TOM, VE3EEW 335 PICADILLY AVE. T. BAY NORTH
OR CALL 767-1453

GARY, VE3HJS 2624 WALNUT ST. T. BAY SOUTH
OR CALL 623-8132

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LARC

FOR SALE. FOR SALE.

Bill XJ has ZRC's for sale at 45¢ ea. or \$40 per 100. Phone 344-1866.

Linda KRM has for sale a 48" self supporting tower, a CDE TR4 rotor and a Gem quad (10-15-20m). Phone 577-7163.

* * *

On Nov. 25th two meter history was made! Ed KRP and Tom EEM QSO'd Vic JAR in Atikokan on 52 Simplex. Contact was made on both SSB and FM modes. Using both horizontally and vertically polarized antennas, the old gang was brought together again. Two meters is becoming an increasingly facinating band that's luring the old DX'er's away from 20 meters which is still in poor shape. Old DX'ers never die, they just go to 2!

With Christmas only a few QSO's away these familiar "ditties" can be sung while standing under the tower or sweeping the basement floor.

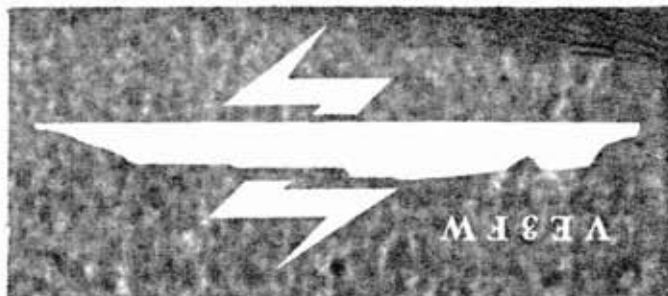
The Ode of the QRPER (ECV, EFC, KRY sung to the tune of Jingle Bells).

QRM QRM all night and all day!
Why can't those 2K Boys stay a-way-ay!
Shut 'em down Shut 'em down!
Shut 'em down for me!
Let me just be alone and run my QRPI(P)

Ten Years Ago - December 1974

Ten years ago this month Frank VE3AJ had been selected as the second delegate representing the R.S.O. Frank joined Bill VE3EEI to represent the district. In order to get the membership to participate in the monthly meetings, a group "keyer" project was discussed. Ten dollars or less in parts would get you a solid state keyer having no relays. VE3YQT had its' share of "bugs" that year, but with VE3's GHQ, EEM, and EDZ working on them, the installation on Mount Baldy before Christmas was hoped for. The Upper Peninsula Repeater had been installed and working near Houghton, Michigan but no locals had heard or worked it yet. The Dinner meeting in February was to be held at the Royal Edward Hotel for a cost of \$7.00 per head. (You not only would have trouble paying that price today at the R.E., it would be hard to get someone to take your money hi!) The "Dirty Laundry" section was pretty quiet that month. Tom VE3HHS (now EEM) was "on the air" using his call on 11 meters!? VE3EDZ Ray had a 25 watt amp to try out and VE3CLU was on 94 from Onion Lake Rd. Subscription for full members was \$5.00 and \$2.00 for associate. That just about "wraps up" this month ten years ago. We now can retire our copy of Hi-Q for December '74 back into the "library", to its honoured place of propping up our shelf.

NEWS FLASH! VE3EFZ John is now VE3Whiskey Forever! Bill VE3Xtra Junk brought us this one. Seems it's not as lonely for the 2 letter boys as it used to be!



AR

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09

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THUNDER BAY, ONTARIO
P7B 5G1



TO:

Bill Unger VE3 EFC
R.R. #11
THUNDER BAY, Ontario
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